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**UNEXECUTED UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new non-provisional applications under 37 C.F.R. § 1.53(B))

9-24-01

PTO/SB/05 (4/98)  
Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

|  |   |
|--|---|
| Attorney Docket No.                      | M93.12-0238                             |
| First Inventor or Application Identifier | Michael Merchant                        |
| Title                                    | MULTIPLE REGION CONVOLVER WITH TAPERING |
| Express Mail Label No.                   | EL 844350205US                          |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**Address To:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1.  \*Fee Transmittal Form e.g., PTO/SB17)  
(Submit an original and a duplicate for fee processing)

2.  Specification [Total Sheets 30] (preferred arrangement set forth below  
 - Descriptive title of the Invention  
 - Cross References to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to Microfiche Appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure

3.  Drawing(s) (35 U.S.C. § 113) [Total Sheets 14]

4. Oath or Declaration [Total Sheets 3]  
 a.  Newly unexecuted (original or copy)  
 Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)

b. i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 C.F.R. §§1.63(d)(2) and 1.33(b).

5.  Microfiche Computer Program (Appendix)

6.  Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)  
 a.  Computer Readable Copy  
 b.  Paper Copy (Identical to computer copy)  
 c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7.  Assignment Papers (cover sheet & document(s))

8.  37 C.F.R. § 3.73(b) Statement  Power of Attorney  
(when there is an assignee)

9.  English Translation Document

10.  Information Disclosure Statement (IDS/PTO – PTO)  Copies of IDS

11.  Preliminary Amendment

12.  Return Receipt Postcard (MPEP 503)

13.  \*Small Entity  Statement filed in prior application.  
Statement(s) Status still proper and desired  
(PTO/SB/09-12)

14.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

15.  Request and Cert. Under 35 USC 122 (Non-Pub)

16.  Other: Claim of Priority

**NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation  Divisional  Continuation-in part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**FOR CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE**

Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

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|-------------------|-------------------|-----------------------------------|--------|
| Name (Print/type) | Steven M. Koehler | Registration No. (Attorney/Agent) | 36,188 |
|-------------------|-------------------|-----------------------------------|--------|

|           |   |      |         |
|-----------|---|------|---------|
| Signature |  | Date | 9/21/01 |
|-----------|---|------|---------|

JC997 U 09/960626 PTO

09/21/01

EC 84435'620598

JC997 U.S. PRO  
09/960626  
09/21/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael Merchant et al.

Serial No.:

Filed : HEREWITH

Group Art Unit:

For : MULTIPLE REGION CONVOLVER  
WITH TAPERING

Examiner:

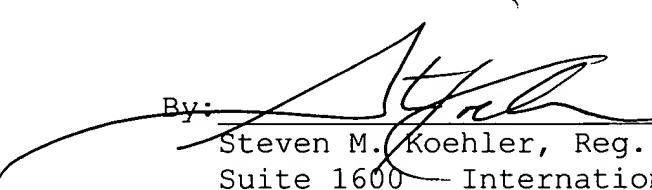
Docket No.: M93.12-0238

CLAIM OF PRIORITY

Dear Sir:

This application claims the benefit of U.S. Provisional Application No. 60/234,131, titled "METHOD AND APPARATUS FOR GENERATING INPUT SIGNALS IN A PHYSICAL SYSTEM" filed on September 21, 2000.

By:

  
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